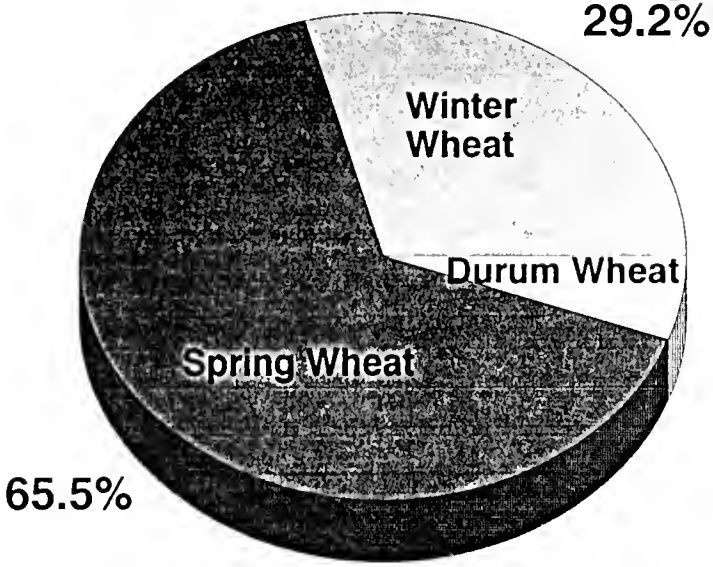
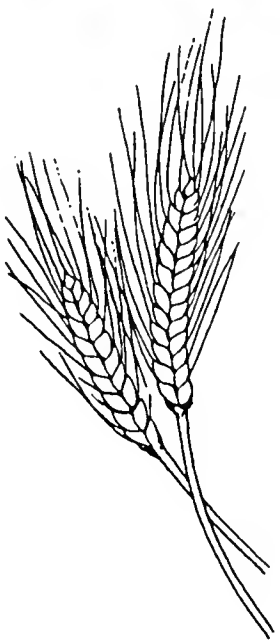
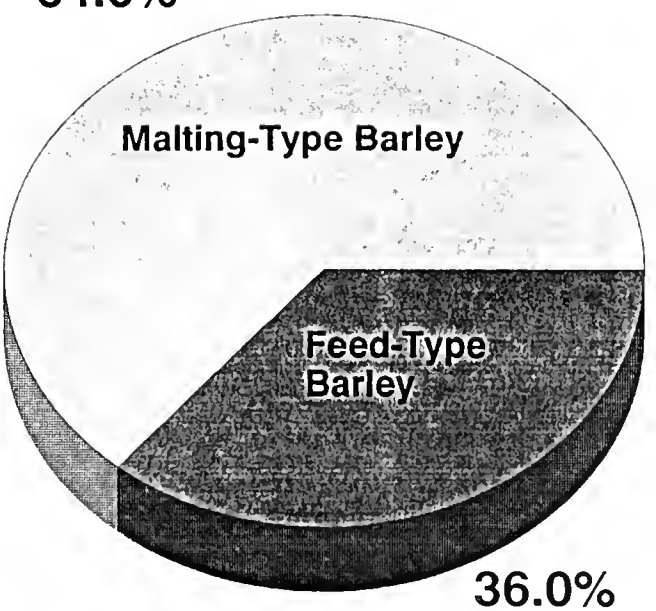
Wheat & Barley Varieties Montana - 1995







Montana Agricultural Statistics Service
Montana Wheat & Barley Committee
and
American Malting Barley Association, Inc.

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Foreword

This publication is the result of a June survey of Montana grain growers. It contains names, characteristics and production records of the leading varieties in Montana in 1995. We wish to thank the many farmers who voluntarily provided us with variety information.

Funding for the barley varieties survey was provided by the Montana Wheat & Barley Committee and the American Malting Barley Association, Inc. The wheat variety survey was funded by the Montana Wheat & Barley Committee. Montana State University provided varietal characteristic information.

Plant researchers continually develop new grain varieties with promise of higher yields, improved baking and milling qualities and increased insect and disease resistance. Montana farmers test these new varieties in their fields with hopes of increasing their overall farm profits. Shifts occur in the acres of varieties planted as farmers discover what works or doesn't work for them

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July 1995

Neeley retained its standing as the leading variety of winter wheat planted in Montana for the eighth consecutive year despite decreasing in acreage by approximately 18 percent from last year. It accounts for nearly 23 percent of the total winter wheat acreage. Neeley generally has a 1 to 3 percent lower protein level than most recommended hard red winter wheat varieties. It is a semi-dwarf variety, with intermediate maturity. Neeley has satisfactory milling and baking qualities.

Rocky moved up one position to second place this year accounting for 17 percent of the winter wheat acreage. This is almost a 10 percent increase over last year. It has resistance to stem rust. Rocky has average milling and baking qualities.

Tiber dropped one position to third place this year. It has a high yield potential, good shatter resistance and good winter hardiness. It accounts for approximately 12 percent of winter wheat acreage. Tiber has average milling and baking qualities.

Redwin maintained its fourth place position from last year. It has good yield potential and winter hardiness. It is very resistant to shattering. It accounts for nearly 9 percent of the total winter wheat acreage planted this year. It has very good milling and baking qualities and excellent protein levels

The top four varieties accounted for 61 percent of the winter wheat acreage seeded in 1995 compared with 63 percent for the same varieties in 1994.

Winter Wheat

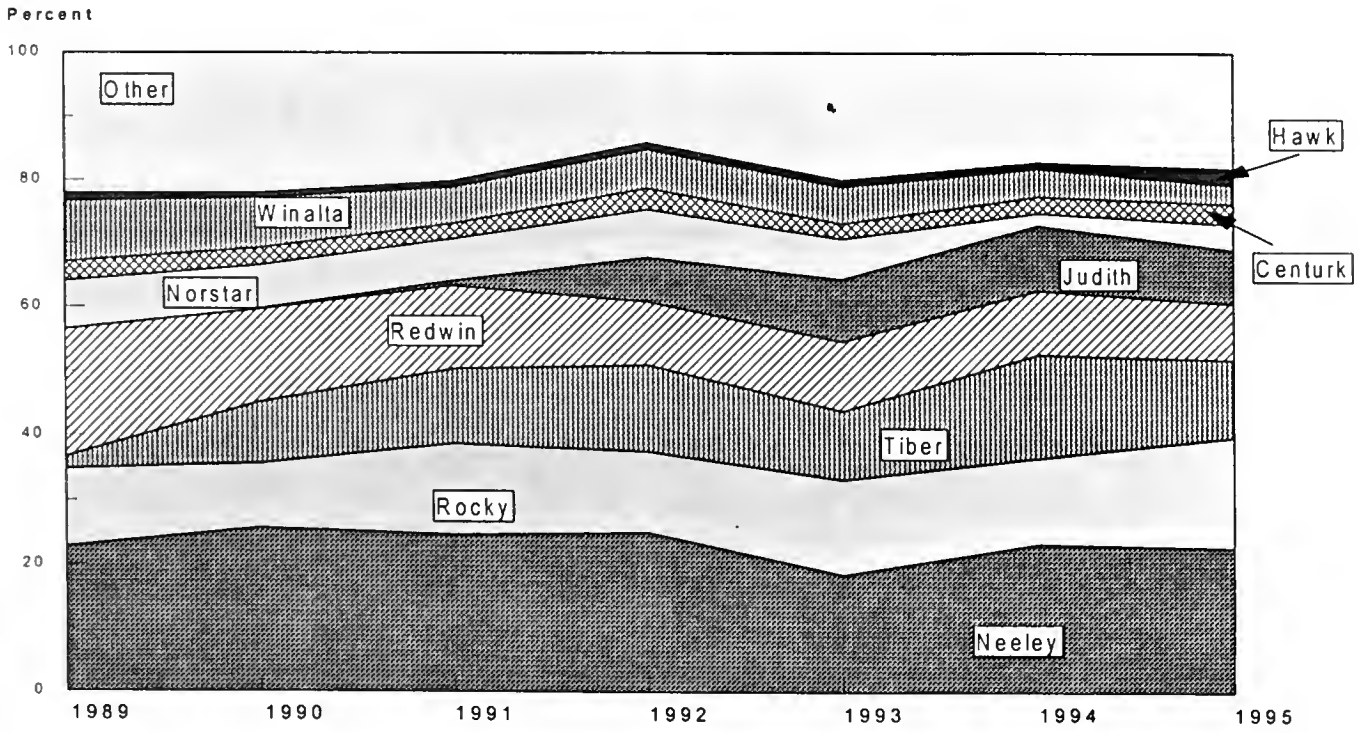
Percent of Total Seeded Acreage 1989-1995 & Seeded Acreage 1994-95

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1989	1990	1991	1992	1993	1994[1]	1995	1994[1]	1995
Neeley	22.8	25.7	24.7	25.0	18.4	23.3	22.7	454.7	374.3
Rocky	12.0	9.9	14.0	12.5	14.8	13.3	17.2	258.7	283.9
Tiber	1.9	9.5	11.7	13.5	10.7	16.2	12.1	315.7	199.2
Redwin	19.8	14.5	13.0	9.9	10.8	10.0	8.8	194.3	145.1
Judith	--	0.1	0.8	7.0	9.8	10.2	8.4	198.4	139.2
Norstar	7.6	6.9	6.6	7.6	6.4	2.0	4.1	38.2	67.7
Centurk	3.0	2.7	2.4	3.3	2.4	2.6	3.2	50.9	53.6
Winalta	9.7	8.0	5.8	6.1	5.8	4.4	3.0	85.0	48.8
Hawk	1.2	0.7	0.9	1.0	1.0	0.9	2.5	18.5	40.8
Quantum 542	--	--	--	--	0.3	1.1	1.8	21.8	29.7
Cimmaron	0.5	0.1	0.6	1.0	0.6	0.6	1.2	11.0	20.5
Roughrider	2.0	1.9	3.6	2.8	2.0	1.8	1.2	35.2	19.5
Cheyenne	1.4	1.8	1.2	0.8	1.0	0.6	0.8	11.3	13.4
Bighorn	0.3	0.6	0.8	0.3	1.0	1.3	0.7	25.2	11.5
Stephens [2]	0.5	0.3	0.2	0.2	0.6	0.2	0.7	3.6	10.9
Weston	1.6	1.6	1.8	0.6	0.2	1.1	0.6	21.5	10.3
Warrior	1.0	1.1	0.4	0.7	1.1	1.7	0.6	32.9	9.7
Cree	3.1	3.9	2.0	0.8	0.6	0.3	0.5	6.0	8.4
Kestrel	--	--	--	--	--	0.1	0.5	1.5	8.0
Hill 81[2]	--	--	--	--	--	0.5	0.2	9.9	3.2
Thunderbird	0.5	1.1	1.8	0.4	0.2	--	0.2	--	3.1
Agassiz	1.0	0.8	0.7	0.1	0.8	0.4	0.2	7.4	2.8
Arapahoe	--	--	--	--	--	--	0.2	--	2.6
Daws [2]	--	0.1	--	--	0.1	0.1	0.1	1.2	2.4
Other & Unknown	10.1	8.7	7.0	6.4	11.4	7.3	8.5	147.1	141.4
State Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1950.0	1650.0

[1] Revised [2] Soft White Wheat

Winter Wheat

Major Varieties as Percent of Total



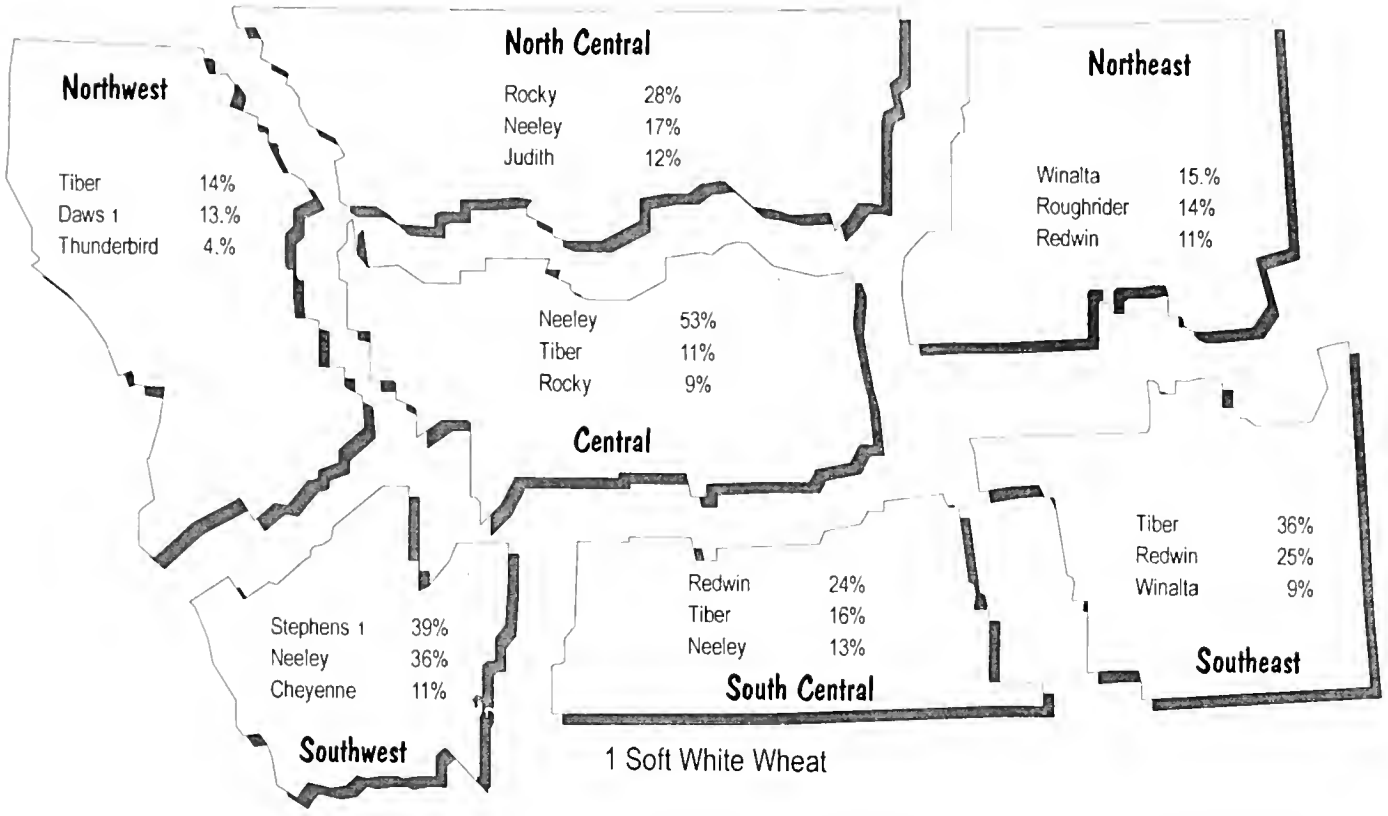
Winter Wheat

Seeded Acreage and Percent of Total by Districts - 1995

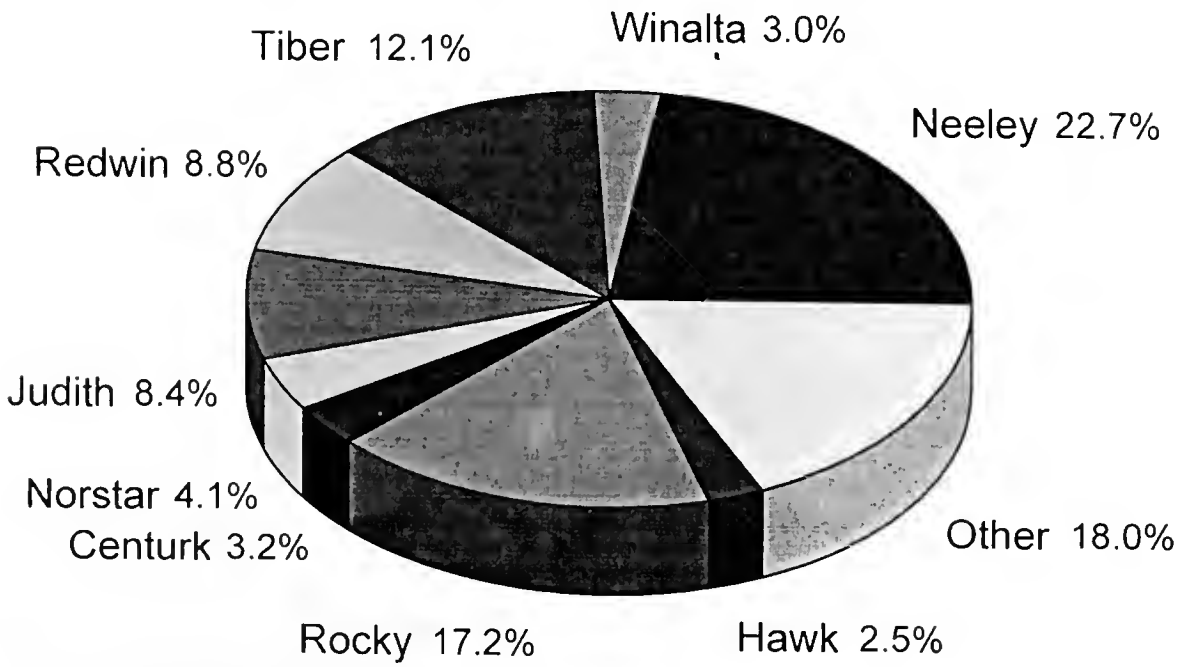
Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neeley	--	--	130.7	17.2	9.6	7.4	184.3	52.7	9.0	36.1	34.8	12.9	5.9	6.1	374.3	22.7
Rocky	--	--	215.8	28.4	13.5	10.4	31.9	9.1	--	--	22.7	8.4	--	--	283.9	17.2
Tiber	2.4	13.6	75.2	9.9	4.4	3.4	38.2	10.9	--	--	44.3	16.4	34.7	35.8	199.2	12.1
Redwin	--	--	35.0	4.6	14.2	10.9	6.3	1.8	--	--	65.3	24.2	24.3	25.0	145.1	8.8
Judith	--	--	90.4	11.9	--	--	16.8	4.8	0.4	1.6	31.6	11.7	--	--	139.2	8.4
Norstar	--	--	28.9	3.8	12.9	9.9	25.9	7.4	--	--	--	--	--	--	67.7	4.1
Centurk	--	--	47.9	6.3	--	--	4.9	1.4	--	--	--	--	0.8	0.8	53.6	3.2
Winalta	--	--	19.0	2.5	19.8	15.2	1.4	0.4	--	--	--	--	8.6	8.9	48.8	3.0
Hawk	--	--	16.0	2.1	--	--	--	--	--	--	24.8	9.2	--	--	40.8	2.5
Quantum 542	--	--	23.6	3.1	--	--	1.1	0.3	--	--	3.2	1.2	1.8	1.9	29.7	1.8
Cimmaron	--	--	20.5	2.7	--	--	--	--	--	--	--	--	--	--	20.5	1.2
Roughrider	--	--	--	--	18.1	13.9	--	--	--	--	--	--	1.4	1.4	19.5	1.2
Cheyenne	--	--	1.5	0.2	--	--	5.3	1.5	2.8	11.1	3.8	1.4	--	--	13.4	0.8
Big Horn	--	--	3.8	0.5	--	--	7.7	2.2	--	--	--	--	--	--	11.5	0.7
Stephens [1]	0.6	3.6	--	--	--	--	0.4	0.1	9.7	38.7	--	--	0.2	0.2	10.9	0.7
Weston	--	--	--	--	--	--	--	--	0.8	3.2	9.5	3.5	--	--	10.3	0.6
Warrior	--	--	--	--	--	--	--	--	--	--	4.1	1.5	5.6	5.8	9.7	0.6
Cree	--	--	8.4	1.1	--	--	--	--	--	--	--	--	--	--	8.4	0.5
Kestrel	--	--	5.3	0.7	2.7	2.1	--	--	--	--	--	--	--	--	8.0	0.5
Hill 81 [1]	--	--	--	--	--	--	3.2	0.9	--	--	--	--	--	--	3.2	0.2
Thunderbird	0.8	4.2	2.3	0.3	--	--	--	--	--	--	--	--	--	--	3.1	0.2
Agassiz	--	--	--	--	--	--	2.8	0.8	--	--	--	--	--	--	2.8	0.2
Arapahoe	--	--	--	--	--	--	--	--	--	--	--	--	2.6	2.7	2.6	0.2
Daws [1]	2.4	13.2	--	--	--	--	--	--	--	--	--	--	--	--	2.4	0.1
Other & Unknown	11.8	65.4	35.7	4.7	34.8	26.8	19.8	5.7	2.3	9.3	25.9	9.6	11.1	11.4	141.4	8.5
State Total	18.0	100.0	760.0	100.0	130.0	100.0	350.0	100.0	25.0	100.0	270.0	100.0	97.0	100.0	1650.0	100.0

[1] Soft White Wheat

Top Three Winter Wheat Varieties and Percent by District



1995 Winter Wheat Varieties



SPRING WHEAT

Amidon continued in the top position for the fourth consecutive year accounting for nearly 30 percent of the spring wheat planted in Montana. It has exhibited an intermediate level of stem solidness and has a satisfactory rating for shattering resistance. Its baking quality is superior and has a satisfactory milling quality.

Westbred Rambo retained its second place position accounting for over 10 percent of the spring wheat acreage planted. The North Central district continued to be the largest producer of Westbred Rambo, which planted over 82 percent of the variety in the state. It is resistant to stem rust and very resistant to sawfly. Westbred Rambo has excellent yield potential.

Fortuna moved up one position from last year by increasing in acreage by nearly 10 percent. It accounts for over 8 percent of the spring wheat acreage. It is a relatively high yielding variety with superior milling properties and has acceptable baking properties.

Grandin dropped one position to fourth. It accounts for approximately 7 percent of the spring wheat seeded. It is a semi-dwarf , early maturity spring wheat that is resistant to stem and leaf rust and has high test weights and average protein.

The top four varieties accounted for 56 percent of the spring wheat acreage seeded in 1995 which is unchanged from last year

Spring Wheat

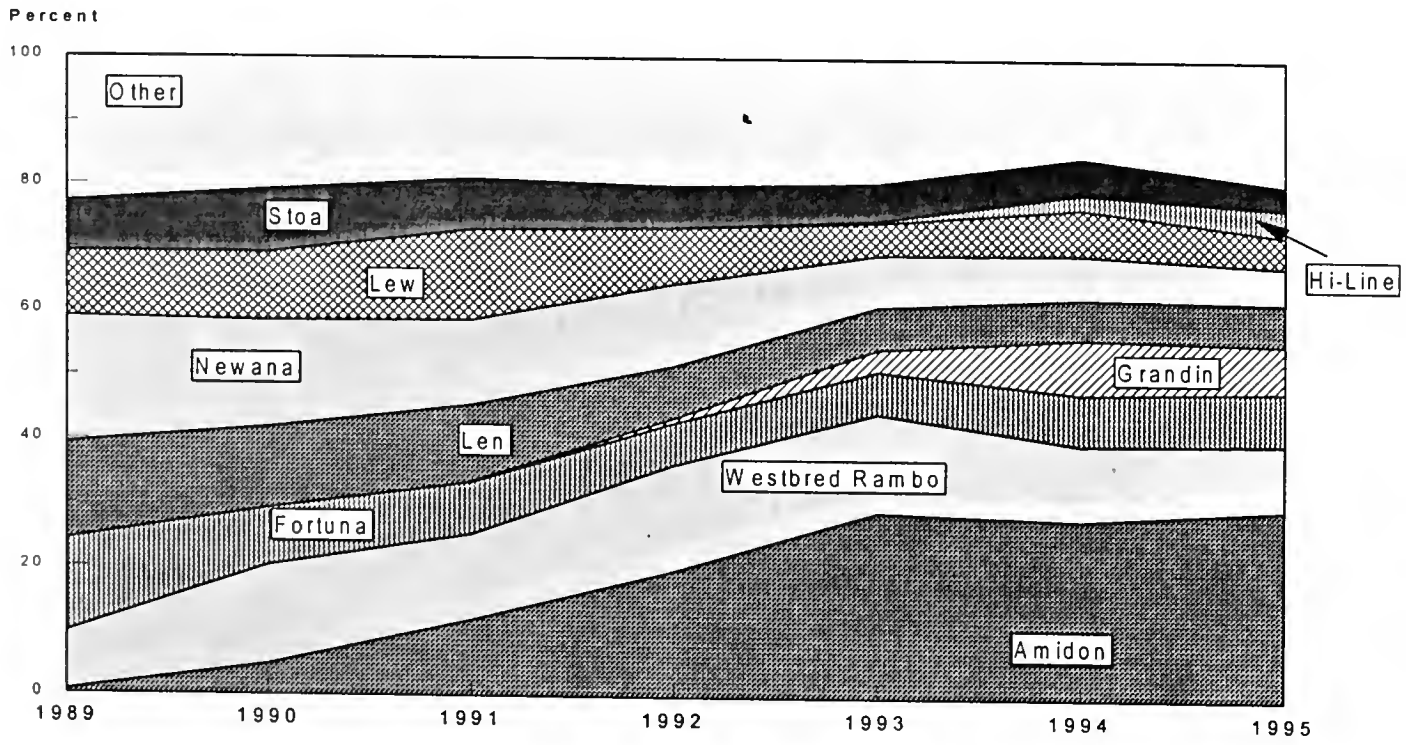
Percent of Total Seeded Acreage 1989-1995 & Seeded Acreage 1994-95

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1989	1990	1991	1992	1993	1994 [1]	1995	1994 [1]	1995
Amidon	0.6	4.7	11.7	19.6	29.0	27.9	29.8	964.8	1104.5
Westbred Rambo	9.0	15.5	13.5	16.7	15.5	11.9	10.3	411.3	379.9
Fortuna	14.6	9.0	8.2	6.6	6.6	8.0	8.2	275.3	302.8
Grandin	--	--	0.2	0.7	3.4	8.5	7.3	292.3	271.2
Len	15.2	12.7	11.9	8.1	6.6	6.3	6.5	216.8	238.9
Newana	19.7	16.6	13.3	12.9	8.2	6.9	5.7	239.2	210.5
Lew	10.2	10.7	14.1	8.7	5.0	7.2	4.8	247.2	179.3
Hi-Line	--	--	--	--	0.4	2.4	4.3	83.9	158.2
Stoa	7.9	10.0	8.1	6.7	5.9	5.7	3.6	198.0	133.0
Westbred 926	0.1	0.3	0.7	0.9	1.5	2.0	3.1	69.2	115.5
Celtic	--	--	0.4	0.6	0.9	1.5	1.3	50.5	46.7
Olaf	5.8	4.5	3.6	2.7	2.8	2.2	1.2	77.3	42.6
Butte 86	0.4	0.4	2.0	0.5	0.4	0.1	0.9	4.4	34.2
Gus	--	--	0.1	0.1	--	--	0.7	--	24.6
Pondera	2.4	2.2	0.8	1.5	0.5	0.9	0.7	32.7	24.2
Glenman	2.4	1.4	1.5	0.7	1.4	1.0	0.6	32.8	24.0
Bounty 309	0.2	0.2	0.3	0.6	--	0.3	0.5	8.9	19.5
Northrup King	0.5	1.3	0.8	1.1	1.1	0.6	0.4	19.0	16.1
Westbred	--	--	--	--	--	0.3	0.4	11.8	13.4
Westbred 936	--	--	--	--	--	0.2	0.4	5.9	13.4
Success	1.0	0.5	0.1	0.2	0.1	0.5	0.4	15.7	13.1
ND 2375	--	--	--	--	--	--	0.3	--	11.7
Penawawa [2]	--	--	--	0.1	0.5	0.2	0.2	7.4	8.5
Pasqua	--	--	--	--	--	--	0.2	--	8.3
Other & Unknown	10.0	10.0	8.7	11.0	10.2	5.4	8.2	185.6	305.9
State Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	3450.0	3700.0

[1] Revised [2] Soft White Wheat

Spring Wheat

Major Varieties as Percent of Total



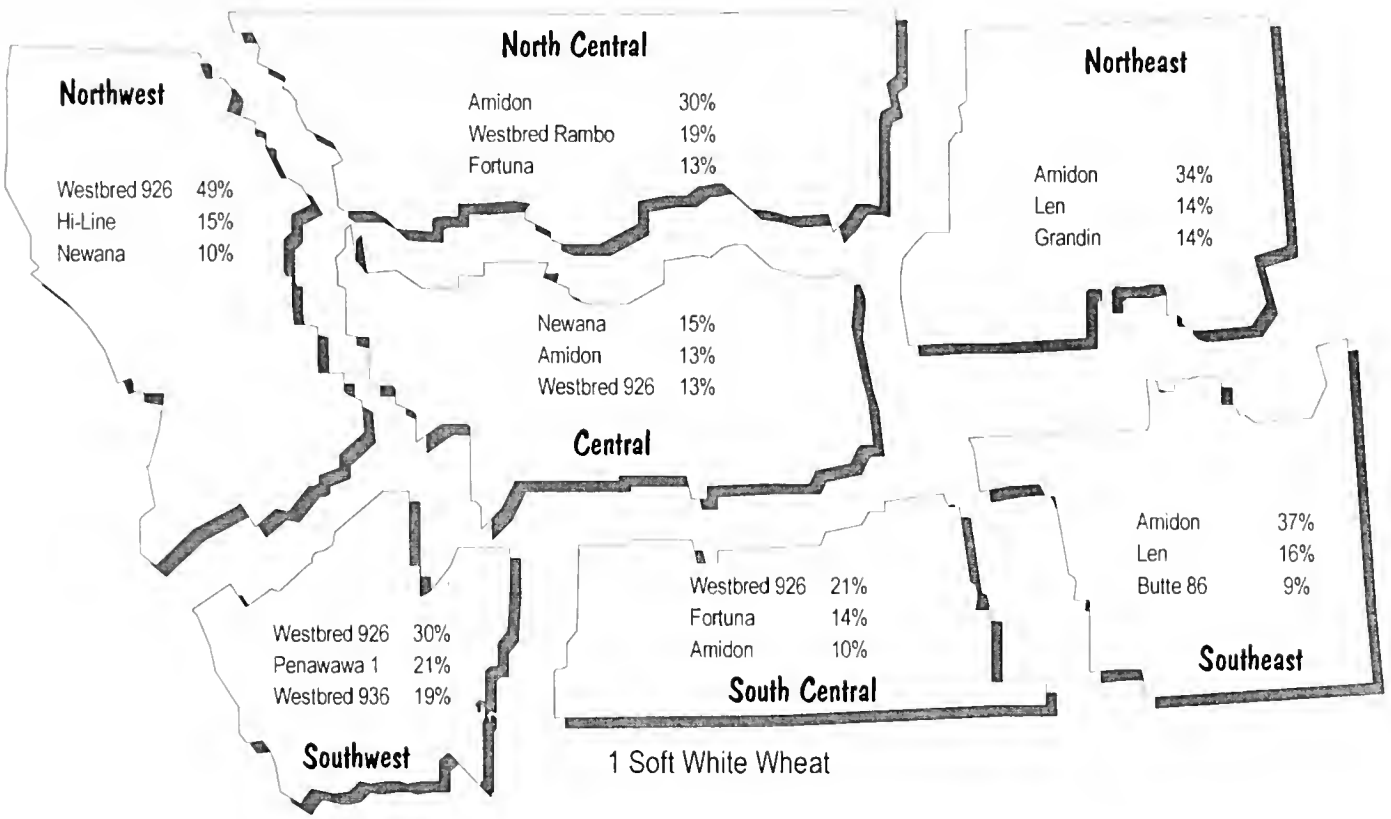
Spring Wheat

Seeded Acreage and Percent of Total by Districts - 1995

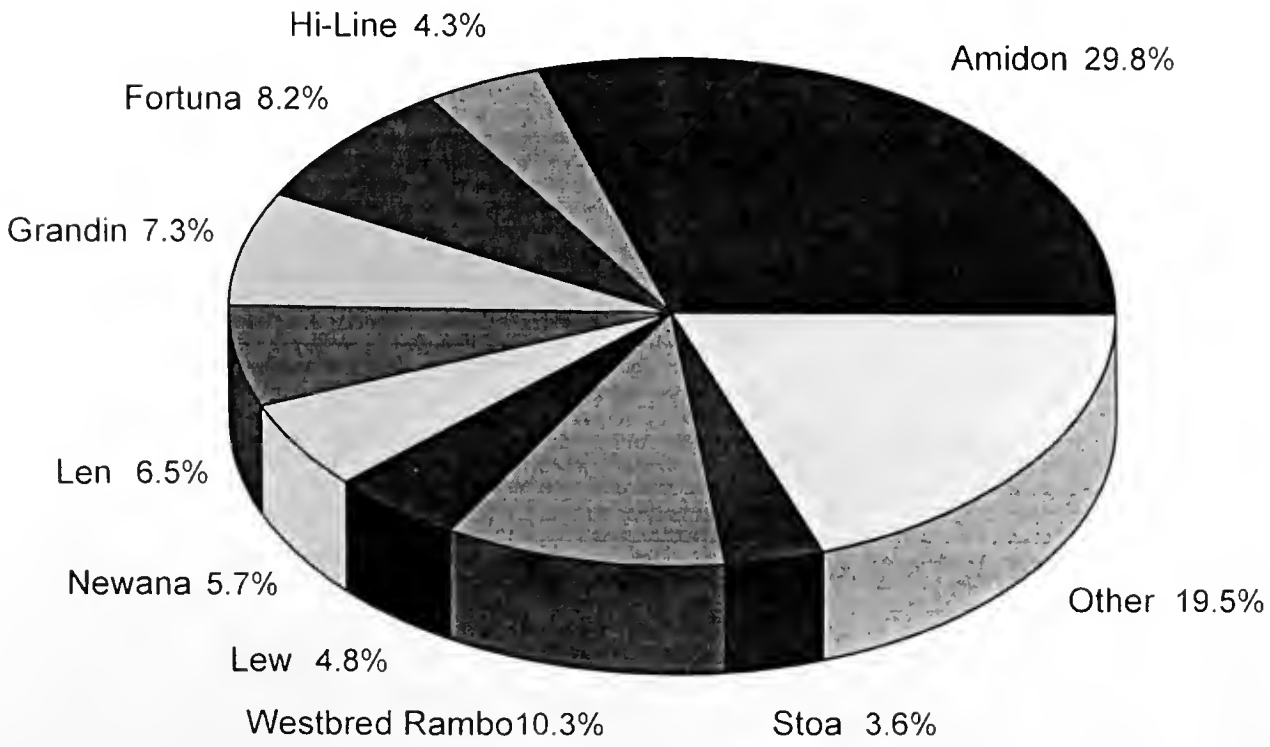
Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Amidon	1.9	7.4	505.3	29.9	475.4	34.2	32.6	12.8	--	--	8.9	9.9	80.4	37.4	1104.5	29.8
Westbred Rambo	0.5	2.0	314.3	18.6	51.4	3.7	13.5	5.3	0.2	0.6	--	--	--	--	379.9	10.3
Fortuna	1.6	6.4	224.8	13.3	33.4	2.4	28.6	11.2	1.4	4.1	13.0	14.4	--	--	302.8	8.2
Grandin	--	--	67.6	4.0	187.7	13.5	7.1	2.8	--	--	--	--	8.8	4.1	271.2	7.3
Len	--	--	5.1	0.3	198.8	14.3	--	--	--	--	--	--	35.0	16.3	238.9	6.5
Newana	2.6	10.4	145.3	8.6	15.3	1.1	39.3	15.4	--	--	8.0	8.9	--	--	210.5	5.7
Lew	--	--	133.5	7.9	19.5	1.4	9.9	3.9	--	--	5.2	5.8	11.2	5.2	179.3	4.8
Hi-Line	3.8	15.3	89.6	5.3	45.9	3.3	7.7	3.0	3.6	10.3	1.4	1.6	6.2	2.9	158.2	4.3
Stoa	--	--	30.4	1.8	91.7	6.6	1.0	0.4	--	--	--	--	9.9	4.6	133.0	3.6
Westbred 926	12.4	49.4	22.0	1.3	7.0	0.5	32.1	12.6	10.4	29.6	19.1	21.2	12.5	5.8	115.5	3.1
Celtic	--	--	--	--	44.5	3.2	--	--	--	--	--	--	2.2	1.0	46.7	1.3
Olaf	--	--	--	--	41.7	3.0	--	--	--	--	--	--	0.9	0.4	42.6	1.2
Butte 86	--	--	--	--	15.3	1.1	--	--	--	--	--	--	18.9	8.8	34.2	0.9
Gus	--	--	--	--	18.1	1.3	--	--	--	--	--	--	6.5	3.0	24.6	0.7
Pondera	--	--	8.5	0.5	--	--	14.0	5.5	1.0	2.8	0.7	0.8	--	--	24.2	0.7
Glenman	--	--	15.2	0.9	--	--	1.5	0.6	--	--	--	--	7.3	3.4	24.0	0.6
Bounty 309	--	--	--	--	19.5	1.4	--	--	--	--	--	--	--	--	19.5	0.5
Northrup King 751	--	--	6.8	0.4	1.4	0.1	0.8	0.3	--	--	1.5	1.7	5.6	2.6	16.1	0.4
Westbred Express	--	--	6.8	0.4	--	--	4.3	1.7	1.2	3.3	1.1	1.2	--	--	13.4	0.4
Westbred 936	0.1	0.5	--	--	--	--	6.4	2.5	6.5	18.6	0.4	0.4	--	--	13.4	0.4
Success	--	--	5.1	0.3	--	--	--	--	--	--	8.0	8.9	--	--	13.1	0.4
ND 2375	--	--	--	--	11.1	0.8	--	--	--	--	--	--	0.6	0.3	11.7	0.3
Penawawa [1]	0.4	1.4	--	--	--	--	0.8	0.3	7.3	20.9	--	--	--	--	8.5	0.2
Pasqua	--	--	--	--	8.3	0.6	--	--	--	--	--	--	--	--	8.3	0.2
Other & Unknown	1.7	7.2	109.7	6.5	104.0	7.5	55.4	21.7	3.4	9.8	22.7	25.2	9.0	4.2	305.9	8.2
State Total	25.0	100.0	1690.0	100.0	1390.0	100.0	255.0	100.0	35.0	100.0	90.0	100.0	215.0	100.0	3700.0	100.0

[1] Soft White Wheat

Top Three Spring Wheat Varieties and Percent by District



1995 Spring Wheat Varieties



DURUM WHEAT

Kyle remains the top variety of durum wheat planted in Montana for the second year. It accounts for 23 percent of the durum acreage. Kyle is a tall medium maturity durum that is resistant to stem rust and moderately resistant to leaf rust with average test weights.

Vic took second place this year moving up two positions. It accounts for over 17 percent of the seeded durum acreage. Vic is a strong straw variety that is resistant to stem rust and moderately resistant to leaf rust. The milling, processing and cooking properties of this variety are satisfactory.

Monroe slipped one position and ended up in third place this year. It makes up nearly 11 percent of the seeded acreage. Monroe is resistant to prevalent races of stem rust and moderately resistant to prevalent races of leaf rust. The combination of earliness and high yield makes Monroe well suited for growing in all durum areas of the state. It has favorable milling qualities and spaghetti coloring.

Renville moved from fifth place to fourth place this year. It accounts for nearly 10 percent of the total durum wheat acreage planted. It has shown good resistance to stem and leaf rust. Renville has displayed good milling characteristics, spaghetti color and cooking characteristics are acceptable.

The top four varieties accounted for 61 percent of the durum wheat acreage seeded in 1995 compared with 63 percent for the same varieties in 1994.

Durum Wheat

1995 Seeded Acreage and Percent of Total by Districts

Variety	Northeast		Other Districts		State	
	(000)	%	(000)	%	(000)	%
Kyle	65.2	26.5	3.9	7.2	69.1	23.0
Vic	52.1	21.2	--	--	52.1	17.4
Monroe	32.2	13.1	0.5	0.9	32.7	10.9
Renville	28.5	11.6	0.9	1.7	29.4	9.8
Medora	17.0	6.9	0.8	1.5	17.8	5.9
Ward	13.8	5.6	0.0	0.0	13.8	4.6
Sceptre	2.7	1.1	9.4	17.5	12.1	4.0
Westbred Laker	6.0	2.4	5.7	10.6	11.7	3.9
Plenty	8.0	3.2	3.5	6.5	11.5	3.8
Stockholm	--	--	11.5	21.4	11.5	3.8
Crosby	11.0	4.5	--	--	11.0	3.7
Lloyd	--	--	6.9	12.8	6.9	2.3
Kemut	--	--	0.8	1.5	0.8	0.3
Rugby	0.7	0.3	--	--	0.7	0.2
Other & Unknown	8.8	3.6	10.1	18.4	18.9	6.4
State Total	246.0	100.0	54.0	100.0	300.0	100.0

Durum Wheat

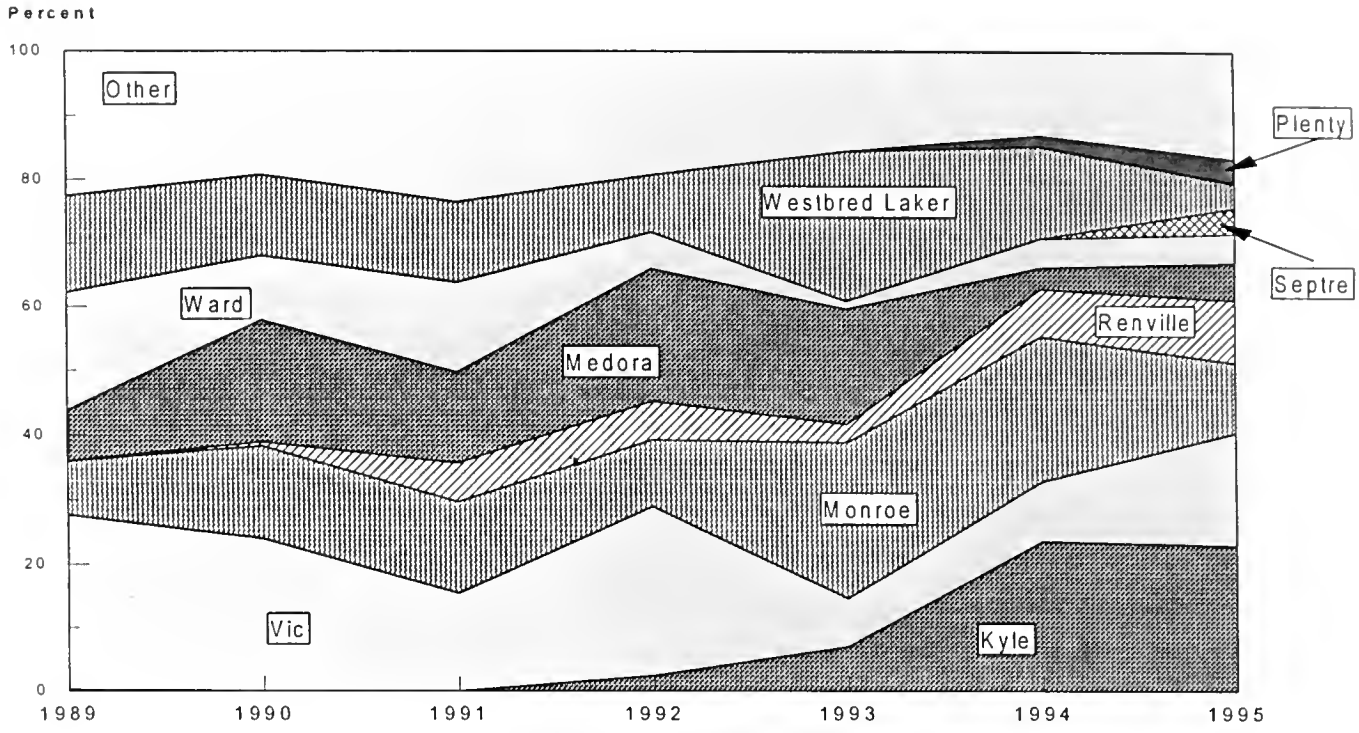
Percent of Total Seeded Acreage 1989-1995 & Seeded Acreage 1994-95

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1989	1990	1991	1992	1993	1994 [1]	1995	1994[1]	1995
Kyle	0.3	--	--	2.4	7.0	23.6	23.0	42.5	69.1
Vic	27.4	24.0	15.5	26.6	7.7	9.3	17.4	16.7	52.1
Monroe	8.3	14.3	14.2	10.3	24.2	22.5	10.9	40.5	32.7
Renville	--	0.6	6.0	5.9	2.8	7.4	9.8	13.4	29.4
Medora	7.8	19.0	14.0	20.8	18.0	3.4	5.9	6.2	17.8
Ward	18.5	10.2	14.1	5.8	1.3	4.6	4.6	8.3	13.8
Sceptre	--	--	0.1	--	--	--	4.0	--	12.1
Westbred Laker	15.2	12.7	12.6	8.9	23.5	14.5	3.9	26.1	11.7
Plenty	--	--	--	--	--	1.7	3.8	3.1	11.5
Stockholm	--	--	--	--	--	--	3.8	--	11.5
Crosby	6.3	4.3	4.3	4.8	2.8	6.4	3.7	11.5	11.0
Lloyd	4.6	1.4	5.4	0.4	--	3.9	2.3	7.0	6.9
Kemut	--	--	--	--	--	1.1	0.3	2.0	0.8
Rugby	--	--	2.5	--	3.1	0.3	0.2	0.5	0.7
Other & Unknown	11.6	13.5	11.3	14.1	9.6	1.3	6.4	2.2	18.9
State Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	180.0	300.0

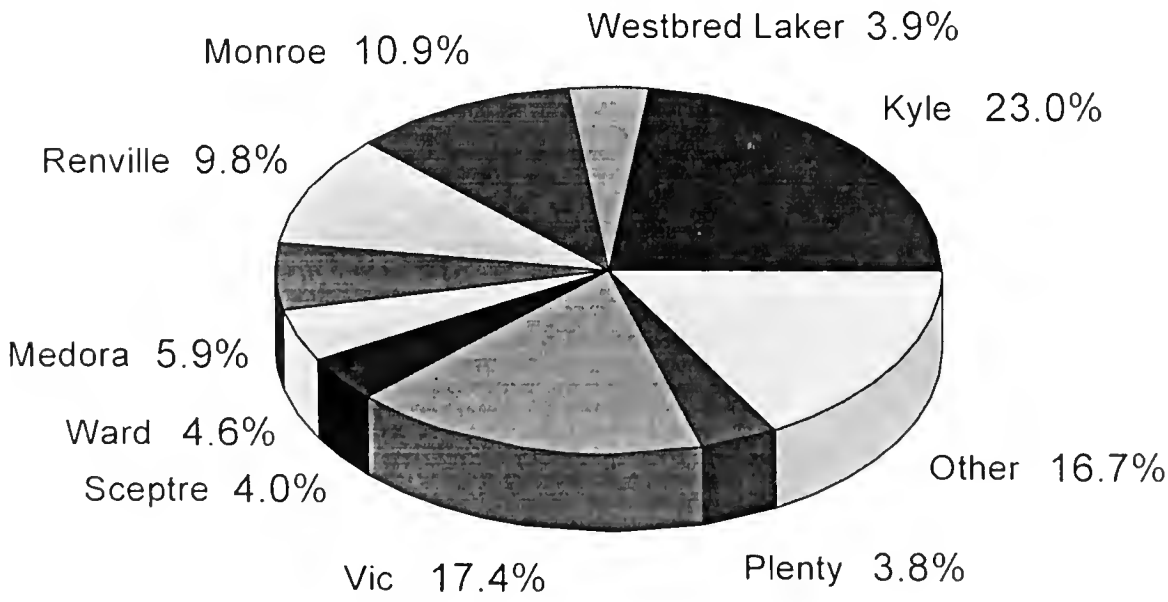
[1] Revised

Durum Wheat

Major Varieties as Percent of Total



1995 Durum Wheat Varieties



BARLEY

Montana farmers planted 1.3 million acres of barley in 1995, unchanged from a year ago. Malting and brewing varieties recommended by the American Malting Barley Association accounted for 36 percent of the total barley acres.

Harrington remained in first place as the leading variety of malting-type barley planted in Montana, with more than 326,000 acres seeded. Hector, a feed-type barley, also maintained its second place position. Together these two varieties accounted for nearly 39 percent of the total barley acres seeded in Montana.

MALTING-TYPE BARLEY VARIETIES

Malting-type barley varieties, grown in Montana and recommended by the American Malting Barley Association for malting and brewing use, account for 467,500 acres.

Harrington remained the top variety despite decreasing in acreage by 11 percent. It accounts for 25.1 percent of the total planted acreage and 69.8 percent of the varieties planted that are recommended by the American Malting Barley Association. The north central district continues to be the largest producer of Harrington where more than 77 percent of the Harrington acreage is grown. It is a two-row variety with good malting qualities.

B1202 remains in second place for the malting-type barley varieties. It accounts for 6.2 percent of the total barley acreage seeded and 17.2 percent of the varieties seeded that are recommended by the American Malting Barley Association. Its acreage increased by 64.8 percent from last year. It is a two-rowed variety.

B2601 moved into third place this year. Its acreage accounts for 1.9 percent of the barley planted and 5.2 percent of the varieties seeded that were recommended by the American Malting Barley Association. Its acreage increased nearly 71 percent over last year. B2601 is a six-row western variety which has excellent lodging resistance.

Excel moved into fourth place this year. Its acreage accounts for 1.3 percent of the barley planted and 3.6 percent of the varieties seeded that were recommended by the American Malting Barley Association. It has high resistance to stem rust and moderate resistance to spot blotch.

FEED-TYPE VARIETIES

Hector remained in first place among feed type varieties. It accounted for 13.6 percent of the total state acreage. It is a high-yielding, two-rowed variety from Lethbridge, Canada, with good test weight and good lodging resistance. Hector is moderately resistant to stem rust.

Baronesse moved into second place for feed type varieties. Its acreage increased by over 65 percent from the previous year. Baronesse accounts for 11.9 percent of the barley that was planted this spring. It has good straw strength and excellent yields.

Gallatin dropped one position from last year. It accounts for 6.9 percent of the barley that was planted. It is well adapted on dryland and irrigated land in the Pacific Northwest and the Northern Great Plains.

Bowman remained in fourth position this year and accounts for 6.8 percent of the barley planted. Bowman was developed by the North Dakota Agricultural Experiment Station and exhibits a short strong straw and has very good yield potential.

Barley

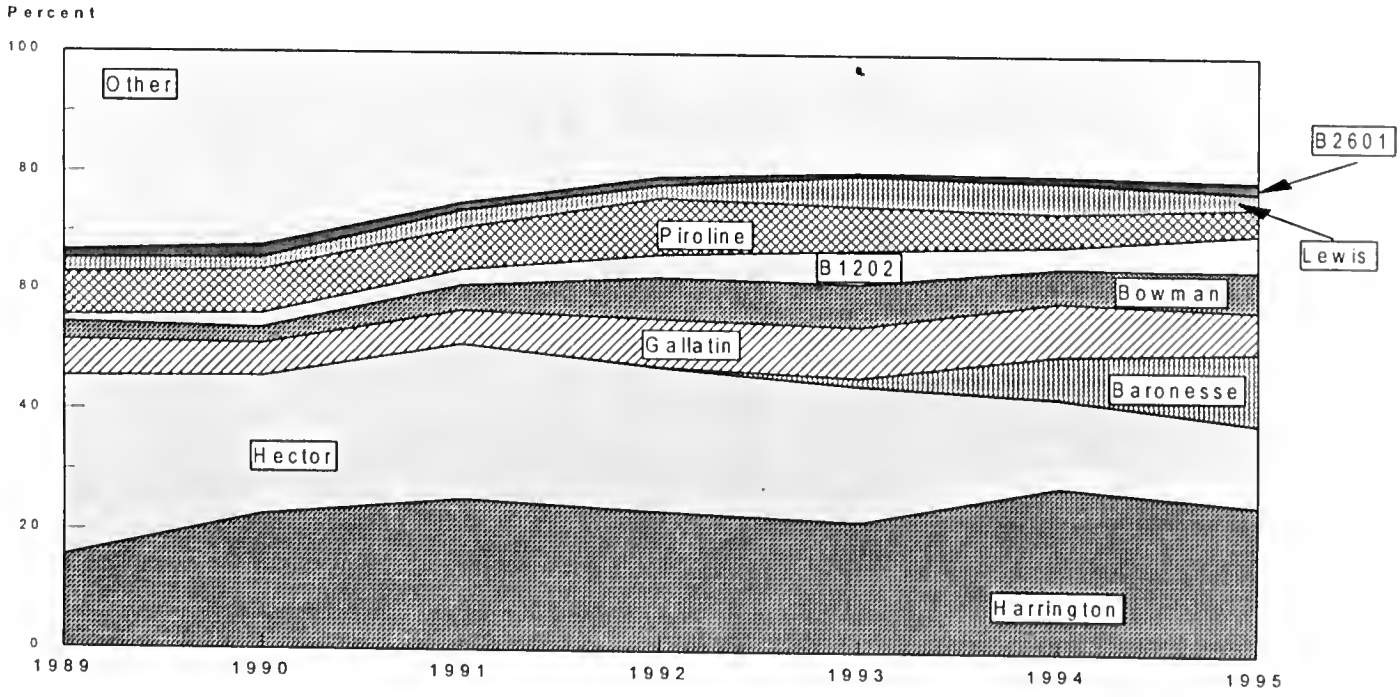
Percent of Total Seeded Acreage 1989-1995 & Seeded Acreage 1994-95

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1989	1990	1991	1992	1993	1994 [1]	1995	1994 [1]	1995
Harrington [2]	15.6	22.7	25.3	23.5	22.0	28.0	25.1	364.9	326.5
Hector	29.8	22.9	25.8	23.9	22.5	14.7	13.6	191.4	176.6
Baronesse	--	--	--	0.1	1.5	7.2	11.9	93.1	154.2
Gallatin	6.0	5.4	5.6	8.0	8.4	8.8	6.9	114.0	89.6
Bowman	3.0	2.7	4.3	7.1	7.3	5.8	6.8	75.2	88.9
B1202 [2]	1.2	2.4	2.7	3.9	5.7	3.7	6.2	48.8	80.4
Piroline	7.3	7.4	7.0	9.5	7.4	5.6	4.4	73.1	56.7
Lewis	2.4	2.1	3.0	2.2	5.1	5.2	2.6	67.1	33.2
B2601 [2]	1.4	2.1	1.3	1.4	0.6	1.1	1.9	14.1	24.1
Clark	7.2	4.7	4.1	2.5	2.1	1.2	1.5	15.5	19.5
Haybet	--	--	0.1	--	--	0.7	1.4	8.5	17.7
Excel [2]	--	--	--	0.1	0.2	0.3	1.3	4.3	16.6
Horsford	1.6	1.8	2.2	1.4	1.9	1.3	1.2	17.1	15.7
Westbred 501	0.2	0.4	0.1	0.1	1.0	0.2	1.1	2.5	14.0
Moravian III [2]	1.2	2.5	1.7	1.8	1.9	0.8	1.0	9.9	13.5
Galena	--	--	--	--	--	0.8	1.0	10.9	13.2
Menuet	1.1	1.2	1.7	1.4	0.8	1.5	0.8	19.1	10.3
Compana	0.8	0.2	0.2	0.1	0.1	0.2	0.4	3.0	5.8
Bearpaw	--	--	0.2	0.8	0.3	0.9	0.3	11.2	4.2
Triumph	--	--	--	--	--	0.1	0.3	1.2	4.2
Westbred Medallion	--	0.1	0.1	0.6	0.5	1.2	0.3	15.9	4.2
Other & Unknown	18.9	17.3	10.0	8.6	8.3	7.9	8.5	103.6	111.6
State Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1300.0	1300.0

[1] Revised [2] American Malting Barley Association, Inc. recommended for malting and brewing for Montana

Barley

Major Varieties as Percent of Total



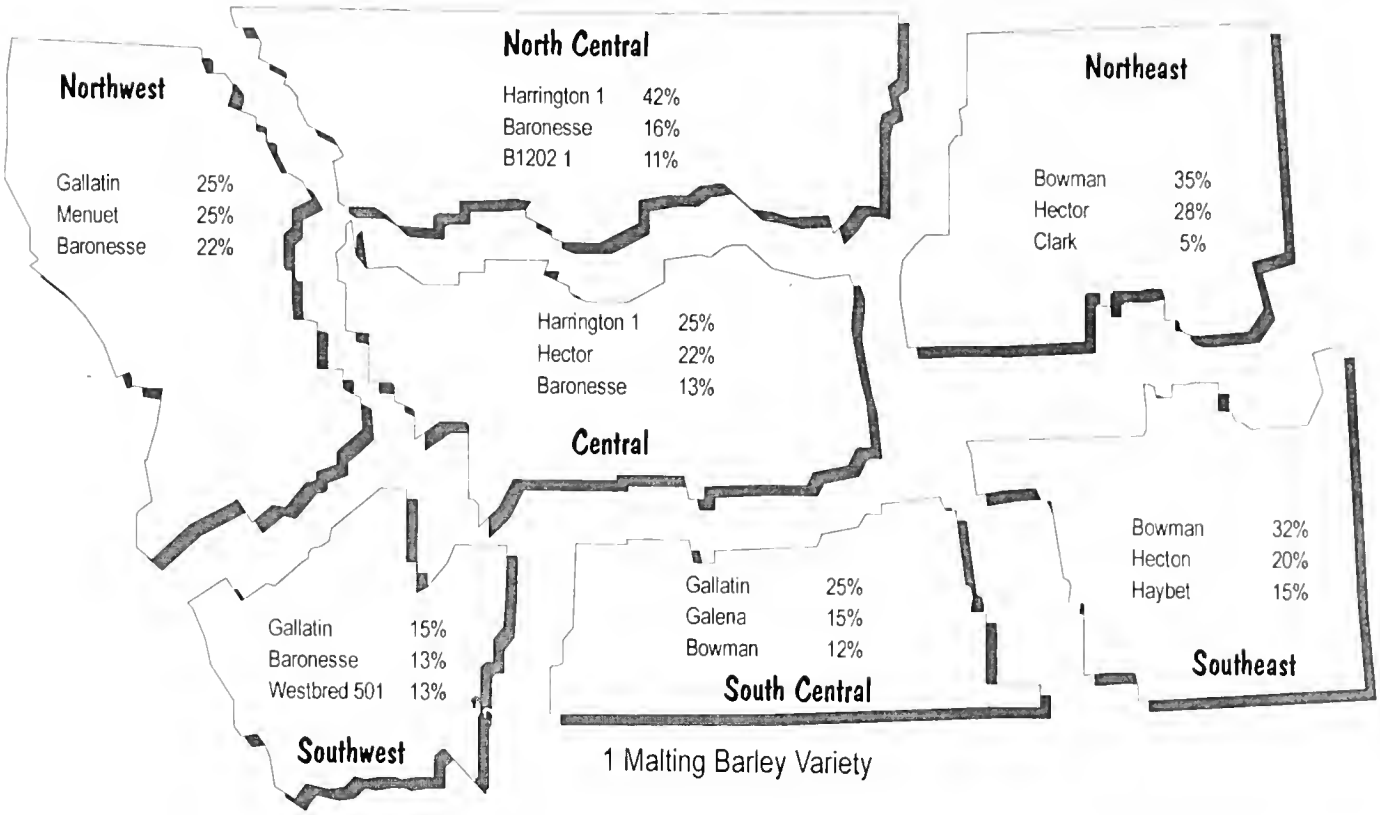
Barley

Seeded Acreage and Percent of Total by Districts-1995

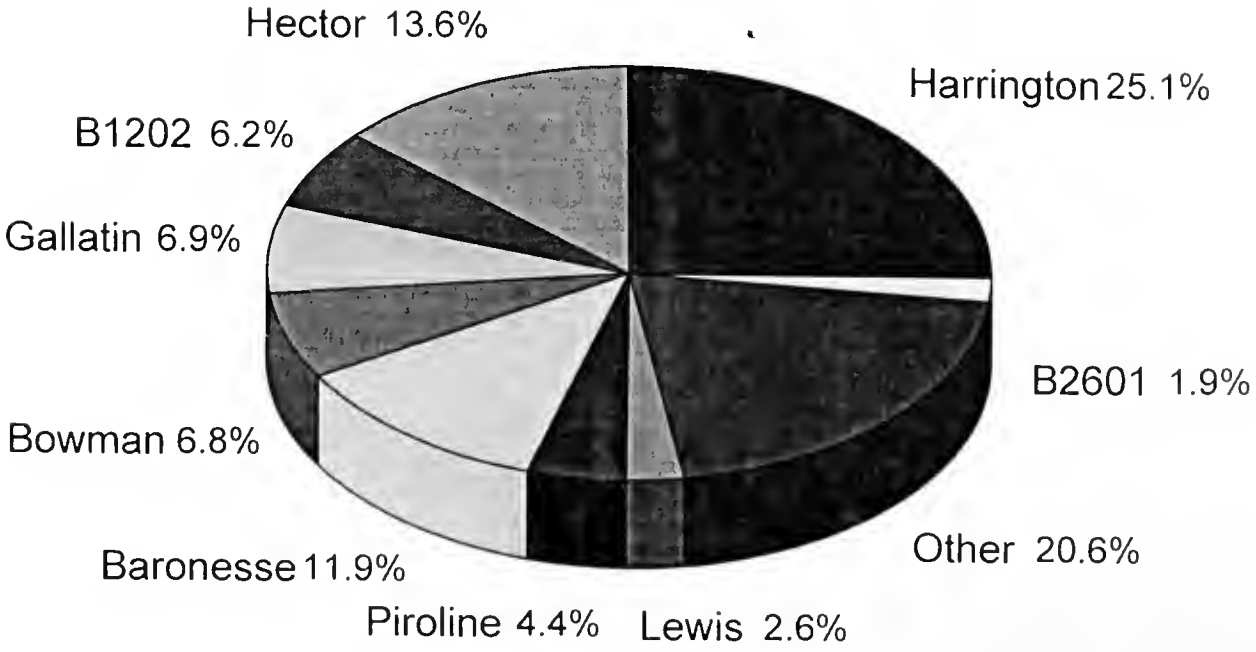
Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Harrington [1]	0.8	2.3	252.3	41.7	--	--	73.4	25.3	--	--	--	--	--	--	326.5	25.1
Hector	--	--	47.8	7.9	50.9	28.3	64.7	22.3	2.3	3.8	2.5	2.8	8.4	20.1	176.6	13.6
Baronesse	7.4	21.8	93.8	15.5	0.9	0.5	37.4	12.9	8.0	13.4	4.0	4.5	2.7	6.4	154.2	11.9
Gallatin	8.5	25.1	26.6	4.4	4.7	2.6	16.5	5.7	8.9	14.8	22.6	25.4	1.8	4.3	89.6	6.9
Bowman	--	--	--	--	63.5	35.3	1.2	0.4	--	--	10.7	12.0	13.5	32.2	88.9	6.8
B1202 [1]	--	--	65.9	10.9	--	--	4.6	1.6	1.4	2.3	8.5	9.5	--	--	80.4	6.2
Piroline	--	--	29.0	4.8	1.3	0.7	26.4	9.1	--	--	--	--	--	--	56.7	4.4
Lewis	2.0	5.9	12.1	2.0	5.8	3.2	12.8	4.4	--	--	0.5	0.6	--	--	33.2	2.6
B2601 [1]	--	--	20.6	3.4	--	--	2.0	0.7	--	--	1.5	1.7	--	--	24.1	1.9
Clark	--	--	6.1	1.0	9.0	5.0	2.3	0.8	0.3	0.5	1.8	2.0	--	--	19.5	1.5
Haybet	2.0	6.0	2.4	0.4	5.2	2.9	0.9	0.3	0.6	1.0	0.4	0.4	6.2	14.7	17.7	1.4
Excel [1]	--	--	--	--	7.0	3.9	9.6	3.3	--	--	--	--	--	--	16.6	1.3
Horsford	0.6	1.7	0.6	0.1	2.9	1.6	2.6	0.9	4.1	6.8	4.1	4.6	0.8	2.0	15.7	1.2
Westbred 501	--	--	--	--	--	--	6.1	2.1	7.9	13.2	--	--	--	--	14.0	1.1
Moravian III [1]	--	--	12.1	2.0	--	--	--	--	--	--	1.4	1.6	--	--	13.5	1.0
Galena	--	--	--	--	--	--	--	--	--	--	13.2	14.8	--	--	13.2	1.0
Menuet	8.4	24.7	--	--	--	--	--	--	1.9	3.2	--	--	--	--	10.3	0.8
Westford	0.4	1.3	--	--	--	--	2.0	0.7	1.9	3.2	2.5	2.8	--	--	6.8	0.5
Morex [1]	0.1	0.2	5.4	0.9	--	--	--	--	0.9	1.5	--	--	--	--	6.4	0.5
Stark	--	--	--	--	4.0	2.2	--	--	--	--	--	--	2.1	4.9	6.1	0.5
Compana	--	--	--	--	0.9	0.5	--	--	4.9	8.2	--	--	--	--	5.8	0.4
Bearpaw	--	--	0.6	0.1	--	--	2.0	0.7	1.6	2.6	--	--	--	--	4.2	0.3
Triumph	--	--	--	--	--	--	--	--	4.2	7.0	--	--	--	--	4.2	0.3
Westbred Medallion	--	--	--	--	--	--	0.3	0.1	3.7	6.1	0.2	0.2	--	--	4.2	0.3
Other & Unknown	3.8	11.0	29.7	4.9	23.9	13.3	25.2	8.7	7.4	12.4	15.1	17.1	6.5	15.4	111.6	8.5
State Total	34.0	100.0	605.0	100.0	180.0	100.0	290.0	100.0	60.0	100.0	89.0	100.0	42.0	100.0	1300.0	100.0

[1] American Malting Barley Association, Inc. recommended for malting and brewing for Montana

Top Three Barley Varieties and Percent by District



1995 Barley Varieties



MONTANA'S RANK AMONG THE LARGER WINTER WHEAT, SPRING WHEAT, DURUM WHEAT AND BARLEY PRODUCING STATES

Winter Wheat

State	1995 Seeded Acreage (000)	Rank
Kansas	11700	1
Oklahoma	7000	2
Texas	6200	3
Colorado	2900	4
Washington	2250	5
Nebraska	2150	6
MONTANA	1650	7
South Dakota	1600	8
Illinios	1480	9
Missouri	1300	10
US Total	49339	

SPRING WHEAT

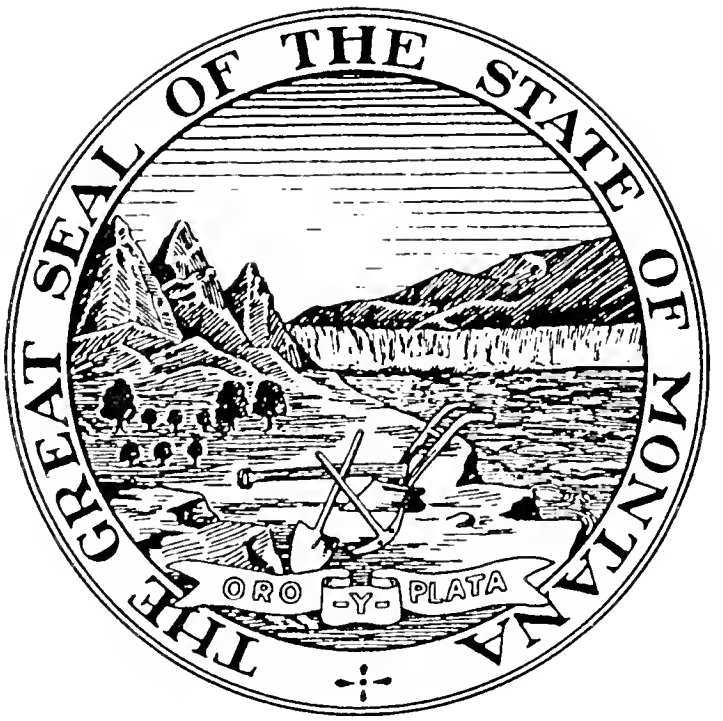
State	1995 Seeded Acreage (000)	Rank
North Dakota	8400	1
MONTANA	3700	2
Minnesota	2200	3
South Dakota	1200	4
Idaho	580	5
US Total	16771	

DURUM WHEAT

State	1995 Seeded Acreage (000)	Rank
North Dakota	2750	1
MONTANA	300	2
Arizona	100	3
California	70	4
South Dakota	35	5
US Total	3265	

BARLEY

State	1995 Seeded Acreage (000)	Rank
North Dakota	2400	1
MONTANA	1300	2
Idaho	780	3
Minnesota	610	4
Washington	300	5
US Total	6796	


THE GREAT SEAL OF THE STATE OF MONTANA
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